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Trichias.—*The banded-spore.*, Geo. A. Rex. (Journ. Mycol., ii., pp. 85-87.)

Of the three species of the Slime Mould genus *Trichia* distinguished by reticulated or banded spores, only *T. chrysosperma*, Bull., has heretofore been recorded as American. Dr. Rex now finds plants which nearly answer the descriptions of *T. affinis*, De By., and *T. Jackii*, Rostfki. A list of specimens from widely separated localities is given.

Vancouveria. Asa Gray. (Botan. Gazette, xi., pp. 182, 183.)

Dr. Gray dissents from M. Franchet's views (Bull. Soc. Bot. France) that the genus should be merged in *Epimedium*.

Variation in Cultivated Plants. W. W. Tracy. (Proc. Sixth Meeting Soc. Prom. Agric. Science, pp. 45-48.)

Vitality of Seeds buried in the Soil. W. J. Beal. (Proc. Sixth Meeting Soc. Prom. Agric. Sci., pp. 14, 15.)

Wellingtonia gigantea. (Gard. Chron., xxvi., p. 18, f. 4.)

Trees of the giant *Sequoia*, planted in Lancashire, England, in the autumn of 1864, have now reached a height of 40 feet, and are 8 feet in circumference just above the base. A reproduction from a photograph illustrates one of the trees.

Woods and their Destructive Fungi. P. H. Dudley, C. E. (Pop. Sci. Month. xxix., pp. 604-617, illustrated.) II.

The practical side of the subject, detailing the action of fungi on telegraph poles, fence posts, ties and timbers, with descriptions and illustrations of their special enemies, and their mode of attack, are here given. The article concludes with a discussion of the various methods of preserving wood and an estimate of the annual loss in money to the railroads in this country resulting from the action of fungi.

Botanical Notes.

Annuario del R. Istituto Botanico di Roma. Edited by R. Pirotta. We have just received the first four fascicles of this valuable periodical, illustrated by twenty-eight beautiful lithographs. Besides several interesting general articles, there are enumerated the fungi, lichens, algæ, and hepatics from the vicinity of Rome. In the last fascicle a new species of *Plagiochila* is described and figured.